Satellite Schedule for 2016

Once again, we are asking for your assistance in collecting water clarity data on your lake. This information helps us estimate water clarity for thousands of lakes in Wisconsin from satellite images. This activity began in 1999 when the University of Wisconsin-Madison conducted a satellite study and discovered they could actually measure water clarity for over 8000 lakes using a satellite image model calibrated for a small subset of lakes in the same field of view. After the university completed its study, the Wisconsin Department of Natural Resources took over the job of analyzing the satellite images on an ongoing basis. We currently use data from the Landsat 7 and Landsat 8 satellites.

If you monitor your lake on a sunny day when the satellite acquires an image, you are actually helping to monitor hundreds of lakes around your lake that might not have a volunteer. Without volunteers, we could not successfully use satellite images to retrieve water clarity data. We have to calibrate the model with on-the-ground water clarity measurements for every single satellite image and we simply do not have the resources to collect these measurements without the continued support of the Citizen Lake Monitoring Network.

To participate …

1) If you know your satellite path from last year, you are all set. If you do not know which path your lake is in, look on the "Satellite Path" handout included in this packet or on the Remote Sensing - Satellite Paths webpages.
2) Use the "Satellite Schedule" on this page to see the dates when one of the satellites will be overhead. We encourage you to monitor on as many of these dates for your path as you can. Clouds may obscure your lake on a satellite image and we will evaluate every single satellite image to see if it is possible to use your data to retrieve the water clarity.
3) You do not need to do anything extra when reporting your data.

We really appreciate your help! Thank you!

Satellite Schedule

Path 26	Path 25	Path 24	Path 23
05/04/2016	05/05/2016	05/06/2016	05/07/2016
05/12/2016	05/13/2016	05/14/2016	05/15/2016
05/20/2016	05/21/2016	05/22/2016	05/23/2016
05/28/2016	05/29/2016	05/30/2016	05/31/2016
06/05/2016	06/06/2016	06/07/2016	06/08/2016
06/13/2016	06/14/2016	06/15/2016	06/16/2016
06/21/2016	06/22/2016	06/23/2016	06/24/2016
06/29/2016	06/30/2016	07/01/2016	07/02/2016
07/07/2016	07/08/2016	07/09/2016	07/10/2016
07/15/2016	07/16/2016	07/17/2016	07/18/2016
07/23/2016	07/24/2016	07/25/2016	07/26/2016
07/31/2016	08/01/2016	08/02/2016	08/03/2016
08/08/2016	08/09/2016	08/10/2016	08/11/2016
08/16/2016	08/17/2016	08/18/2016	08/19/2016
08/24/2016	08/25/2016	08/26/2016	08/27/2016
09/01/2016	09/02/2016	09/03/2016	09/04/2016
09/09/2016	09/10/2016	09/11/2016	09/12/2016
09/17/2016	09/18/2016	09/19/2016	09/20/2016
09/25/2016	09/26/2016	09/27/2016	09/28/2016
10/03/2016	10/04/2016	10/05/2016	10/06/2016
10/11/2016	10/12/2016	10/13/2016	10/14/2016
10/19/2016	10/20/2016	10/21/2016	10/22/2016
10/27/2016	10/28/2016	10/29/2016	10/30/2016

To learn more, visit our Remote sensing of water quality website! The satellite water clarity map and data are available through the DNR's Lakes Viewer.